

# PATROL CRAFT

## PC MATERIAL CHECKS

### GENERAL CHECKS

DESCRIPTION	
MLOC/EOSS	O
CLEANLINESS/PRESERVATION/STOWAGE: BILGE & MACH FOUNDATION/SPACE PRESERVATION SPACE CLEANLINESS, DECKPLATES, HANDRAILS, LAGGING, WATERTIGHT & OTHER DC FITTINGS/CLOSURES, SPACE LIGHTING, SPACE STOWAGE, FLAMMABLES IN SPACE; OIL FREE BILGES. SECURE FOR SEA	O
REPAIR PARTS STORED IN SPACES LABELED, PIPING SYSTEMS STENCILED / RELIEF VALVES LABELED WITH DATA GAGES WITHIN CALIBRATION DATES	O
GAGE CALIBRATION / INSTRUMENTATION: GAGE ID AND CAL /SWBD METER OPER AND CAL / ALARMS / INDICATOR LIGHTS	O
VALVE MAINTENANCE	O
FIRE PUMPS: OPTTEST, COUPLING GUARD, REMOTE START,STOP, CHECK VLV, MECHANICAL SEAL, PRESSURE	X
VENTILATION TO INCLUDE: CONTROLLER INDICATOR LIGHT/HIGH AND LOW SPEED OPERATION, REMOTE START/STOP	X

### DC EQUIPMENT

AFFF, CO2, PKP, PMS WITHIN PERIODICITY	O
FIRE STATIONS COMPLETE	O
EMERGENCY LIGHTING	O
TEST OPERATE EDUCTORS 1 2 3	X
EEBDS QUANTITY / STOWAGE / DISTRIBUTION / TAMPER SEAL / MOD	O
SEEDS QUANTITY / STOWAGE/LOG /PMS	O
PHOTO-LUMINESCENT PAINT	O
P-100 OPTTEST ALL UNITS	X
HALON: CO2 ACTUATION BOTTLE PMS FLEX HOSE TEST TAGS REMOTE ACTUATION STATIONS PIPING/NOZZLE INTEGRITY	X

### HALON

ACTUATION STATIONS / PIPING / SPRINKLER HEADS HOSE HYDRO DATE	FWD ENG RM	AFT ENG RM			X
OPERATIONAL TEST (PRIMARY) - CO2 ACTUATION	FWD ENG RM	AFT ENG RM	PILOT HOUSE	EOS	X
OPERATIONAL TEST (SECONDARY) - CO2 ACTUATION	FWD ENG RM	AFT ENG RM	PILOT HOUSE	EOS	X
PRESSURE SWITCH TEST (VENTS, ALARMS-VIS/AUD)	FWD ENG RM	AFT ENG RM			X
HALON LEVEL CALI STICKER/BOTTLE PRESS	FWD ENG RM	AFT ENG RM			O

**EOS****PROPULSION CONTROL CONSOLE CHECKS**

DESCRIPTION	
LIGHT CHECK/LAMP TEST	O
ALARM CHECK	O
CONSOLE 24V DC BACKUP POWER SUPPLY (UPS)	O
INTERLOCKS: BARRING GEAR, TRANSMISSION	-
START/STOP FIREPUMPS 1 2 3	X
START/STOP/E-STOP ALL MPDES	X
PROPULSION CONTROL IN FULL AUTOMATIC OPERATION	-
HALON ACTIVATION BOTTLE ELECTRIC	-

**ELECTRICAL SYSTEMS/SWITCHBOARDS**

UPS TEST	X
SWITCHBOARD GROUND CHECK	X
START SSDGS FROM EOS 1 2	X
PARALLEL SSDGS TO BUS 1 2	X
TEST SSDG REVERSE POWER RELAYS 1 2	X
INSPECT SWBD: INTEGRITY, GROUND TEST, BREAKERS INOPERATIVE, GLOVES / BOOTS / FACE SHIELD / SHORTING PROBE ON STATION, BREAKERS AND FUSES PROPER SIZE.	0

**ENGINE ROOMS**

		FER	AER
DC/SAFETY WALKTHROUGH		X	X
VENTILATION	START/STOP	X	X
	INDICATORS	X	X
MAIN DRAINS AND EDUCTOR	OPERATE EDUCTOR	X	X
	OPERATE MAIN DRAINAGE VALVES	X	X
	REMOTE OPERATE BILGE SUCTION VALVE	X	X
FIREPUMP	CHECK VALVE AND PROPER ROTATION	X	X
	START AND STOP	X	X
	SEA VALVE REMOTE OPTEST	X	X
MAIN SHAFTING	LINE SHAFT BEARINGS (ROLLER BEARINGS, VISUAL INSPECTION)	O	O
	CHECK SHAFT SEAL LEAKAGE PACKING GLANDS	O	O
FIN STABILIZER	OPTTEST PORT STBD	-	-
	LOCKING PIN OPERATION PORT STBD	-	-

<b>MPDE's</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
LO SUMP/GOVERNOR LEVEL	X	X	X	X
JW EXPANSION TANK LEVEL	X	X	X	X
LO TEST	X	X	X	X
JW TEST	X	X	X	X
FUEL RACK AND GOVERNOR LINKAGE	O	O	O	O
OPERATE PRE-LUBE PUMP	X	X	X	X
FO AND LO LEAKS AND FLANGE SHIELDS	O	O	O	O
JW HIGH TEMP ALARM	X	X	X	X
LO LOW PRESSURE ALARM	X	X	X	X
BARRING TOOL STARTER LOCKOUT	X	X	X	X
LO HIGH TEMP ALARM	X	X	X	X
OVBD EXHAUST FLAPPER VALVE OPERATION	X	X	X	X
REMOTE SHUTDOWN DEVICES	X	X	X	X

<b>TRANSMISSION</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
LO SUMP LEVEL AND SAMPLE	X	X	X	X
TEST MANUAL CONTROL VALVE	X	X	X	X
AUTO START OF TRAILING PUMP	-	-	-	-
INTERLOCK CHECKS: TRANSMISSION KEY	-	-	-	-
TRAILING/NORMAL MODE OPTTEST	-	-	-	-
LO HIGH TEMP ALARM	X	X	X	X
HIGH DELTA P ALARM	X	X	X	X
LOW CONTROL OIL PRESSURE ALARM	X	X	X	X

#### MPDE/SSDG STARTING BATTERIES

BATTERY CHARGER VENT INTERLOCKS	FWD	AFT	-
BATTERY HYDROMETER TEST	FWD	AFT	-

<b>SSDG 'S</b>	<b>1</b>	<b>2</b>
LO SUMP/ GOVERNOR LEVEL	X	X
JW RESERVOIR LEVEL	X	X
LO TEST	X	X
JW TEST	X	X
FUEL RACK AND GOVERNOR LINKAGE	O	O
CRANKCASE WARNING LABELS	O	O
FO AND LO LEAKS AND FLANGE SHIELDS	O	O
INSPECT AIR INTAKE FILTERS	X	X
LO LOW PRESSURE ALARM/SHUTDOWN	X	X
JW HIGH TEMP ALARM/SHUTDOWN	X	X
REMOTE SHUTDOWN DEVICES	X	X

<b>FO SERVICE SYSTEM</b>	<b>FWD STBD</b>	<b>FWD PORT</b>	<b>AFT</b>
LEAKS/FLANGE SHIELDS	O	O	O
REMOTE ISOLATION VALVES	X	X	X
F/O TRANSFER PUMP OPERATION	X	X	X
KNIFE EDGE STRAINERS	O	O	O
SAMPLE FO SERVICE TANKS	X	X	X

**AUX MACHINERY ROOMS****AUX 1****AUX 2**

DC/SAFETY WALKTHROUGH		X	X
VENTILATION	START/STOP	X	X
	INDICATORS	X	X
MAIN DRAINS AND EDUCTOR	OPERATE EDUCTOR	X	X
	OPERATE MAIN DRAINAGE VALVES	X	X
	REMOTE OPERATE BILGE SUCTION VALVE	X	X
FIREPUMP	LOCAL START/ STOP	X	-
	CHECK VALVE AND PROPER ROTATION	X	-
	SEA VALVE REMOTE OPTEST	-	X
RO UNIT	OPTEST	-	-
	LOW PRESSURE SWITCH	-	-

**PILOT HOUSE**

DC/SAFETY WALKTHROUGH	HALON ACTIVATION	-	-
-	MPDE START/STOP/E-STOP	-	-
	THROTTLE CONTROL	-	-
	SUMMARY ALARMS	-	-